

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/935,219

Filing Date: 08/22/2001

First Named Inventor: Beams

Group Art Unit: 2122

Examiner Name: n/a

Attorney Docket Number: 05222.00185



(Use as many sheets as necessary)

Sheet 1 of 14

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MEAL		US-4,622,013	11/11/1986	Cherchio	
MEAL		US-4,874,784	10/17/1989	Clancey	
MEAL		US-4,981,766	01/02/1990	Derr, et al.	
MEAL		US-4,931,950	06/05/1990	Isle, et al.	
MEAL		US-4,964,077	10/16/1990	Eisen, et al.	
MEAL		US-4,977,529	12/11/1990	Gregg, et al.	
MEAL		US-5,002,491	03/26/1991	Abrahamson, et al.	
MEAL		US-5,170,464	12/08/1992	Hayes, et al.	
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MEAL		US-5,267,865	12/07/1993	Lee, et al.	
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MEAL		US-5,311,422	05/10/1994	Loftin, et al.	
MEAL		US-5,317,688	05/31/1994	Watson, et al.	
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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MEAL		EP 0 689 132 A2	12/27/95	Laffra		
MEAL		EP 0 710 942 A2	05/08/96	Siefert		
MEAL		EP 0 710 942 A2	05/08/96	Siefert		
MEAL		EP 0 798 655 A2	10/01/97	Jervis, et al.		
MEAL		WO 00/04478	01/27/00	Jonsson		
MEAL		WO 97/44766	11/27/97	Cook		
MEAL		WO 98/03953	01/29/98	Simmons		
MEAL		WO 98/25251	06/11/98	Ho		
MEAL		WO 98/32109	07/23/98	De Lange		

Examiner Signature

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9/24/04

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MBAL		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
MBAL		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
MBAL		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/tois/59298.html	
MBAL		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story, 1996.	
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MBAL		"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994	
MBAL		"DDD--A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27	
MBAL		"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html	
MBAL		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
MBAL		"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp-341-46, Dec. 1997	
MBAL		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

Examiner Signature	<i>Matthew B. Hall</i>	Date Considered	9/24/04
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AKA		US-5,395,243	03/07/1995	Lutbin, et al.	
AKA		US- 5,441,415	08/15/1995	Lee, et al.	
AKA		US- 5,491,743	02/13/1996	Shilo, et al.	
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AKA		US- 5,720,007	02/17/1998	Hekmatpour	
AKA		US- 5,727,161	03/10/1998	Purcell, Jr.	

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FOREIGN PATENT DOCUMENTS

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Signature**

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MEBA		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
MEBA		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
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MEBA		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-141	
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MEBA		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

Examiner Signature	<i>[Signature]</i>	Date Considered	9/24/04
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WBA		US-5,727,950	03/17/1998	Cook, et al.	
WBA		US- 5,745,652	04/28/1998	Bigus	
WBA		US- 5,772,446	06/30/1998	Rosen	
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WBA		US- 5,791,907	08/11/1998	Ramshaw, et al.	
WBA		US- 5,799,151	08/25/1998	Hoffer	
WBA		US- 5,799,292	08/25/1998	Hekmatpour	
WBA		US- 5,806,056	09/08/1998	Hekmatpour	
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WBA		US- 5,822,745	10/13/1998	Hekmatpour	
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WBA		US- 5,835,683	11/10/1998	Corella, et al.	
WBA		US- 5,868,575	02/09/1999	Kuczewski	
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WBA		US- 5,889,845	03/30/1999	Staples, et al.	
WBA		US- 5,893,123	04/06/1999	Tuinenga	
WBA		US- 5,911,581	06/15/1999	Knight Jeremy, et al.	

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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MBAY		"Artificial Intelligence and Mathematics Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html	
MBAY		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html	
NEA		"WITS: A Reusable Architecture for a VR-Based ITS" at http://advleam.lrdc.pitt.edu/its-arch/papers/tam.html	
MBAY		"Brainmaker" at www.npiec.on.ca/~echoscan/28-04.htm	
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MBAY		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

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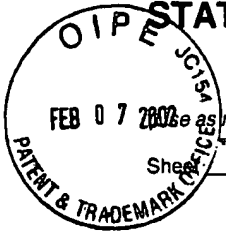
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MBAL		US- 6,016,486	01/18/2000	Nichols	
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MBAL		US- 6,029,158	02/22/2000	Bertrand, et al.	
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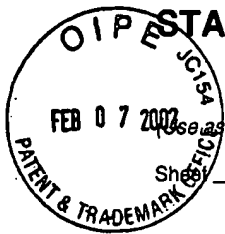
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MEAH		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995	
MEAH		"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	
MEAH		"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
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MEAH		"The Lisp Tutor," Byte, pp. 159-75, Apr. 1985	
MEAH		"Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982	
MEAH		Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	
MEAH			
MEAH		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Mangement Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
MEAH		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

Examiner Signature	<i>M. U. B. Adams</i>	Date Considered	9/24/04
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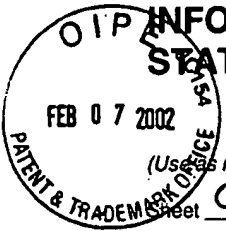
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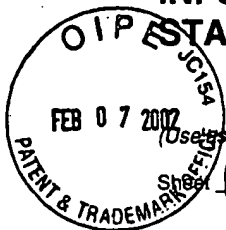
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MEAL		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
MEAL		"Interface design issue for advising giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31	
MEAL		"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997	
MEAL		"Architecture of an Intelligent Tutoring System on the WWW," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 39-46 Dec. 1997	
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MEAL		Flexible Learning, Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33+	
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MEAL		"Train with Less Pain," Oct. 13, 1997, Informationweek No. 652, pp. 150-154	
MEAL		"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
MEAL			
MEAL		"Intelligent Tutoring Systems: An Overview" at http://www.intellectbooks.com/authors/lawler/its.htm	

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Signature

M. E. Beams

Date
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/935,219

Filing Date: 08/22/2001

First Named Inventor: Beams

Group Art Unit: 2122

Examiner Name: n/a

Attorney Docket Number: 05222.00185



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MBAL		"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35	
MBAL		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
MBAL		"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934613-51-6.asp	
MBAL		"From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(3), pp. 39-50, Dec. 1997	
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MBAL		"Distributed Intelligent Tutoring on the Web," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 482-89, Dec. 1997	
MBAL		"RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 386-393 Dec. 1997	
MBAL		"Using the Wizard of Oz Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997	
MBAL		"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994	
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MBA		"Engines for Education" URL: http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html ; viewed Feb. 15, 1999.	
MBA		"FinPlan System" at www.rfa.org.ru/FinPlan/	
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MBA		"Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
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MBA		"Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	
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MBA		"SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-30, Aug. 1995	
MBA		"Decision Pro3.0" at www.vanguardsw.com/	

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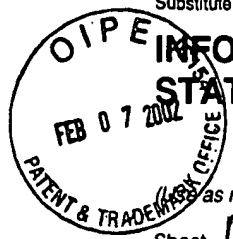
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MEAL		"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72, Dec. 1992.	
MEAL		"The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997	
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MEAL		"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	

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MBN		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
MBN		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

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